

[61-239] R
A. C. Hager Parker
Phone : Gerrard 1824.

Sale No. 12,471—2.

Sale to commence at 12.30 o'clock each day.

Thursday, 19th FEBRUARY.

A CATALOGUE
OF
PHOTOGRAPHIC APPARATUS,

Being the entire outfit of a gentleman giving up photography ;

Also LATHES, WITH A VARIETY OF TOOLS:

A LARGE COLLECTION OF

Optical, Electrical and Physical Apparatus,

Being the entire Stock of Messrs. NEWTON & Co., of 72 Wigmore Street, W.
(late of 3 Fleet Street), who are disposing of same in order to obtain more
room for their Optical Lantern business.

FRIDAY, 20th FEBRUARY.

A CATALOGUE
OF
MISCELLANEOUS PROPERTY,

Including SCIENTIFIC INSTRUMENTS, GRAMOPHONE
and PHONOGRAPH RECORDS, TYPEWRITERS, NUMBER
OF OIL PAINTINGS, CINEMATOGRAPH FILMS, LANTERN
SLIDES, Etc.

MR. J. C. STEVENS

Will SELL the above Property BY AUCTION

AT HIS GREAT ROOMS,

No. 38, King Street, Covent Garden, W.C.

Thursday's lots may be viewed on Wednesday between 12.30 and 5.30
and Morning of Sale till 12. Friday's lots may be viewed on Thursday from
12.30 to 5.30, and Morning of Sale till 12.

Telegraphic Address : AUKS, RAND, LONDON.

RIDDLE, SMITH & DUFFUS, College Hill Chambers, E.C., and Forest Hill, S.E.

**Conditions of Sale are as usual; a
Copy is exhibited in the Sale Room at
the time of Sale.**

A CATALOGUE.

On Thursday, 19th Feb., 1914.

AT HALF-PAST TWELVE O'CLOCK

ON VIEW. (Lots 1 to 290a only).

Wednesday, 12.30 p.m. to 5.30 p.m.

Thursday, 9.30 a.m. to 12 a.m.

*Valuable Photographic Apparatus, being the entire
outfit of a gentleman giving up photography; also
several lathes, with a variety of tools.*

LOT

- 1 Half-plate bellows body camera, the "Stanley," 3 double dark slides, R.R. lens with iris, in canvas case
- 2 Quarter-plate ditto with lens, Thornton-Pickard shutter, 4 double dark slides and focussing cloth, in canvas case
- 3 Half-plate ditto, Thornton-Pickard "Royal" 6 double dark slides, 5-in. primo plane lens, by Cook, and Thornton-Pickard ruby anastigmat, focussing cloth, Thornton-Pickard shutter fitted on extra front, in case, and stand
- 4 Telephoto attachment, by Dallmeyer
- 5 Half-plate W.A. lens
- 6 Pair of stereoscopic lenses by Taylor, Taylor & Hobson, on Thornton-Pickard shutter
- 7 Ross No. 2 symmetrical
- 8 Two view finders, exposure meter, and compass in negative box

- 9 Beck's symmetrical whole-plate lens, and another lens
- 10 Sandringham 10 × 8 W.A. rectilinear, iris stop
- 11 Two portable tripods
- 12 Ditto
- 13 Quarter-plate hand camera, lens and shutter
- 14 Enlarging camera
- 15 Pair of scales with weights, in oak case, and 2 flashlight lamps
- 16 Two 15 by 12 porcelain developing dishes, and two 12 by 10 ditto
- 17 Studio camera stand
- 18 Lead-lined sink, 16 by 23
- 19 Eighteen packets of photo paper, various makes
- 20 Dark-room lamp, 3 plate washers, and 6 porcelain developing dishes, assorted sizes
- 21 Squeegee, Wratten K filter, box of primus labels, 3 brushes, Watkins' exposure meter, in negative box
- 22 Wrattens' dark-room lamp, and circular print washer
- 23 Print trimmer, hypo jug, 2 exposure reckoners, 3 porcelain developing dishes, and 6 printing frames, various sizes
- 24 Eighteen packets of photo paper, various makers
- 25 Sandringham developing tank, 3 ebonite developing dishes, 6 assorted printing frames and flashlight lamp
- 26 Automatic shutter releaser, Watkins' calculator flashlight lamp, tube of chloride of gold, ditto of chloro-platinotite of potassium, and other photo accessories, in plate box
- 27 Dark-room clock and pneumatic shutter
- 28 Wratten's dark-room lamp and dark-room clock
- 29 Three squeegees, 2 Barnet ortho screens, 3 planiscopes, etc., in leather case
- 30 Zinc tank with tap, 10 printing frames, and 4 porcelain dishes
- 31 Twelve packets of photo plates, various

51-
131

RR 21-

101-
61-

101-
121

51-
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91-

51-

(61-)

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71-

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— 91-

(71-)

51-

32. A 12 by 16 enamelled iron developing dish,
4 Primus focussing screens, packets of photo
paper, inverted gas mantles, negative en-
velopes for recording, etc.
33. Roll-film bath, Sol flash-lamp, 2 plate changing
bags, and Wratten's safelights
34. Nine graduated glass measures, ditto jug,
2 funnels, and glass rods
35. Ten printing frames, various sizes, plate
drainer, leaden plate washer, Watkins' time
thermometer, and other photo accessories
36. A 10 by 8 mahogany bellows body camera, and
3 double dark slides
37. *Superior enlarging lantern, 8-in. condenser,
bellows body, front lens with iris stops, and
gas arrangement, in case*
38. Record enlarging easel
39. Griffin's developing tank, pin-hole lens, pair
of scales (A.F.)
- 40. Lantern plates, masks, slide carrier, printing
frame, india-rubber shutter release, etc.
- ✓ 41. Cassell's Cyclopædia of Photography, 1911, and
Hasluck's Book of Photography
42. Camera stand, pair of scales (A.F.), etc.
43. Bayley's Complete Photographer, The Barnet
Book of Photography, Photographic Almanac,
1911 and 1913, and 10 other works on photo-
graphy
44. Pamphlets on photography, a parcel
45. Harmsworth's Self Educator, 8 vols.
46. Cassell's Gazetteer, 6 vols. ; Hasluck's Handy-
man Enquire Within
47. Everyman his Own Mechanic, Hasluck on
Wood-working, Hasluck on Lathe Work,
Horner on Practical Metal Turning, and 3
others on Lathe Work
48. Parcel of books and pamphlets on shorthand,
turning, drawing and other subjects
49. Thirty empty stoppered bottles
50. Thirty stoppered and other bottles, containing
photographic and other chemicals
51. Ditto
52. Thirty-six empty wide-mouthed stoppered
bottles

- 53 Forty-eight empty stoppered bottles, various 71- 9/12
- 54 Thirty bottles, mostly with contents 71- 1/2
- 55 Small deal table and wooden rackwork 4/
- 56 Nest of deal shelves, 3 ft. 9 by 3 ft. 6, 6 ins. deep 5/
- 57 Ditto, 3 ft. 10 by 4 ft. 5, 6 ins. deep
- 58 Dark-room screen covered in red baize, with coloured glass window 5/
- 59 Folding deal table and various pieces of shelving
-
- 60 Microscope objective by H. Crouch, 1/12th inch oil immersion 11.15.0
- 61 Cooke lens, Series III., F/6.5, iris in focussing mount 5-7-3.7. 8/- 25.16 21.10
- 62 A 6-in. Goerz Celor lens in sunk mount, No. 255,774, quite new, and in perfect condition, suitable for a 1/4-plate reflex or stand camera 43. 26.00
- 63 Beck's patent "Frena" hand camera, in leather case 21.10
- 64 Folding pocket Kodak, by Eastman (postcard size), in leather sling case 22.15
- 65 Brownie hand camera, in leather case 14/-
- 66 Quarter-plate focal plane camera, 1 double back, no lens 14/-
- 67 Quarter-plate reflex focal plane camera, 4 dark slides, 5 by 4 Swift lens, and case 22.5
- 68 A 6 1/2-in. Goerz Celor lens, in sunk mount, No. 350,523, quite new and in perfect condition, suitable for a 1/4-plate or 5 by 4 reflex or stand camera 26.00 37.6
- 69 Houghton's "Holborn" tripod stand for 1/4 or 1/2-plate camera, best quality 3-fold ash, with patent self-locking joints, unused 71-
- 70 Kodak, in case 4/-
- 71 Telescopic tripod 6/-
- 72 Enlarging lantern 5/-
- 73 An 8-in. condenser and bellows enlarger 5/
- 74 Acetylene gas generator 3/
- 75 Spirit ditto
- 76 Six developing trays: papier mâché, 20 by 24; enamelled iron, 19 by 23; ware, 10 by 12; enamelline, 9 by 11; one 7 by 5, and one smaller 41- 71-

- 77 Three printing-out frames, 5 by 4, scales and weights, in mahogany box
- 78 About 12 dozen micro objects, in pine cabinet 9/1-
- 79 Thirteen packets of photo paper, and packet of chromo plates 9/1-
- 80 Brass adjustable music stand on iron foot 6/1

LATHES AND TOOLS.

- 81 A 5-in. centre 3-ft. 6-in. bed lathe, slide rest, 9-in. face plate, 7-in. ditto with 4 dogs, 5-in. chuck with set screws, 2-in. drill chuck, 2 other chucks, hand rest, and 4 T's 1/8
- 82 A 5-in. scroll chuck, with 2 sets of jaws, fitting the above lathe 2/1.6
- 83 A 3-in. ditto, with 2 sets of jaws 16/1-
- 84 Two circular saw plates with 2 spindles and 2 saws 2/2
- 85 Eight pairs of callipers 16/1-10/1
- 86A A 3-in. bench vice 12/1
- 87A Two self-centering drill chucks 12/1
- 88A A 3½-in. centre screw cutting foot lathe, 4-ft. bed, change wheels, 2 slide rests, T centres, slide rest tools, and 2 face plates 2/5.10
- 89A A 5-in. 4-jaw independent chuck 2/11
- 90A Twelve new slide rest tools 8/1
- 91A Thirteen ½-in. slide rest tools 7/1
- 92A Three 7/8-in. screw taps, and 2-in. self centering chuck 9/1
- 93A Scribing block 4/1
- 94A Drill chuck and 6 jaws 4/1
- 95A Twenty-nine twist drills and wood block 11/1
- 96A Iron plane, oil stone, and 2 wood tools 5/1
- 97A Three metal gauges, and adapting tool 5/1
- 98A Two small stocks, 5 dies, 2 tap wrenches and 15 taps 14/1
- 99A Fourteen centre bits, and 10 small slide rest tools 9/1
- 100A Three steel rules, straight edge, square, small anvil, and tool holder for grindstone 4/1
- 101A Three blocks for cutting wood screens, and oil-stone for gouges 3/1
- 102A A 6-in. centre foot lathe, about 4 ft. bed face plate, and 2 T's 2/1.15

- 103A Lathe saw table, screw hammer, fret saw and 2 files 6/-
- 104A Thirteen-inch grindstone in iron trough, and treadle 12/-
- 105A Carpenter's bench with 4 drawers 41/-
- 106A Twelve wood turner's tools 61/-
- 107A Ditto 71/-
- 108A Ratchet brace 5/-
- 109A Four metal saws 41/-
- 110A Twenty-four lathe tools, handled 13/-
- 111A Ditto 17/-
- 112A Sixteen files, 2 hammers, square and saw 8/-
- 113A Metal shears, hand vice, 5 pincers various, barn saw, universal tool handle with tools, and compass 9/-
- 114A Various gimlets, gouges, chisels, and other tools 71/-
- 115A Fret cutting machine for fitting on lathe 71/-
- 116A Bradawls, gimlets, and various other tools 61/-
- 117A Small painted cupboard, tool handles and sundries 8/-
- 118A A 4-in. centre 4-ft. gap bed back-geared lathe, for power, complete with counter-shaft, nearly new, and in perfect order, by H. Milnes of Bradford 15.5
- 119a A 3½ h.p. Humber motor cycle, chain driven, handle-bar control, Longuemare carburetter, Dunlop tyres, tubes, and one cover, perfectly new, in good running order 26

LATHES, TOOLS AND SCIENTIFIC APPARATUS.

- 86 Twenty turner's tools, and mortice chisel 11/-
- 87 A lathe accessory, to be used in slide rest, with over-head motion for wheel cutting, slotting, and ornamental work 61/-
- 88 A 6-in. treadle lathe, with heavy grooved fly-wheel, with gut complete 21.8.0
- 89 Speed counter, reading to 10,000, by Buck & Hickman 5/-
- 90 Engineer's gauge, by Armstrong, in case 61/-
- 91 Miner's dial, in case 41/-
- 92 Pocket sextant, by Flavelle, in leather case 81/-
- 93 Prismatic compass, in leather case 47/-

- 94 Polished sloping office desk, fitted with divisions 4/6
 95 Ditto, smaller, without divisions
 96 Large sea chest, fitted lock and key (4)
 97 Photographic iron head-rest, complete 7/-
 99 A 5-ft. solid mahogany show-room table
 100 Two steel cutter bars and extra cutters 7/-
 101 Two ditto
 102 Electric motor by the Lester Manufacturing Co. 1/12
 102A Four inverted arc studio lamps, in umbrella shade, on iron stand 1/-
 103 Thirty-cell battery, constant current 6/-
 104 Thirty-cell battery, constant and interrupted current 6/-
 105 Three cameras 2/-
 106 Two cameras, round pocket 4/-
 107 Aspirator 5/-
 108 Electric ear lamp 4/-
 109 Ditto laryngeal lamp and handle 3/-
 110 Ditto head lamp 4/-
 111 Ditto bull's-eye head lamp 4/6
 112 Laryngoscope, ear and nose, in case 4/-
 113 Thermo cautery (part) 1/4/-
 114 Microscope
 115 A $\frac{1}{2}$ -plate lens, view lens, achromatic meniscus 4/10
 116 Ditto 6/-
 117 Three whole-plate lens, achromatic meniscus 6/-
 118 Mahogany lens testing apparatus, complete with lens 10/-
 119 Four light-tight plate boxes 4/-

TYPEWRITERS, CARPETS, etc.

- 120 Barlock No. 78,603 brief, good condition, complete with wood base and cover 2.5
 122 Remington No. 8, in working order 1.7.6
 123 Ditto 1.5
 124 Barlock foolscap, with single keyboard, complete with base and cover 1.7.6
 126 Barlock brief, single keyboard, good order 1.12.6
 127 Yost No. 11 model, complete, in working order 2.12.0
 128 Yost No. 10 model, complete with case 3.0
 129 Smith Premier No. 3, complete with case 2.2

- 130 Hammond, Universal keyboard, manifolding hammer
- 131 Fay-Sholes, complete and going order
- 132 Yost No. 4 model, going order, complete with case
- 133 Oliver No. 3, complete with case
- 134 A fine *Turkey* carpet, about 10 ft. 7 by 9 ft.
- 135 A fine *Indian* carpet, red, 10 ft. 5 by 7 ft. 2
- 136 Another, 9 ft. 6 by 7 ft. 5
- 137 Another, 9 ft. 2 by 6 ft. 2
- 138 Fine *Turkey* carpet, 8 ft. 11 by 6 ft. 11
- 139 Ditto, 8 ft. 11 by 6 ft. 2
- 140 Ditto rug, 6 ft. 5 by 2 ft. 11
- 141 Ditto extra, 5 ft. 2 by 2 ft. 6
- 142 Ditto, 4 ft. 11 by 2 ft. 6
- 143 Indian rug, blue, 6 ft. 3 by 3 ft. 1
- 144 Ditto, red, 6 ft. 2 by 3 ft. 1
- 145 Antique *Persian* rug, square panels, 8 ft. 6 by 3 ft. 4
- 146 Ditto, octagonal panels, 8 ft. 10 by 3 ft. 6
- 147 Ditto, floral pattern, red, 8 ft. 3 by 3 ft. 3
- 148 Mahogany pedestal table, 46½ ins. by 24½ ins., 9 drawers
- 149 Mahogany pedestal table with nests, 47 ins. by 25 ins., recently been done up; well and 8 drawers in table, flat top, 3 drawers in each, nest connected by shelf

A large Collection of Optical, Electrical and Physical Apparatus, being the entire stock of Messrs. Newton & Co., 72, Wigmore Street, W. (late of 3, Fleet Street), who are disposing of same in order to obtain more room for their Optical lantern business.

ELECTRICITY.

- 151 Thompson's (Kelvin's) quadrant electrometer, with levelling screws, glass shade, etc., for measuring delicate quantities of electricity
- 152 Egg-shaped glass vessel, with stopcock, to show light in vacuo; set of five spirals, with rotating centre piece which illuminates the various coloured glasses

- 153 Insulating stand, consisting of mahogany table on tall glass stem with iron base; Henley's quadrant electrometer, with graduated arc for measuring static charges 71-
- 154 Brass cannon for firing a mixture of gas and air, with spark; static chimes, which ring by the attraction and repulsion of brass clappers; and thunder house, for showing the effect of lightning upon buildings
- 155 Egg-shaped vessel, as above; stand with whirl and clapper for ringing a gamut of 8 bells (missing); and Kinnersley's thermometer, to show expansion of air with electric spark 7-
- 156 Pint Leyden jar with curved rod, to discharge on outside coating, for unit charges; and Henley's universal discharger, for passing electrical charges through various substances 21-
- 157 Egg-shaped vessel, as above; Henley's quadrant electrometer with graduated arc; glass rod, one end roughened, to show different electrical charges; cylinder of ebonite, for exciting a negative charge; and egg-illuminator for passing sparks through eggs, fruit, etc. 61-
- 158 Sturgeon's apparatus for firing spirit; static swing, without figure; proof-plane; static inclined plane, without whirl; and Lullin's apparatus for piercing glass 31-
- 159 Battery of 6-quart Leyden jars, in wooden case 21-
- 160 Bohenberger's gold leaf electroscope, with Zamboni-pile for detecting minute charges; proof-plane; 8-in. glass handle with extended wire and brass ball, for drawing sparks; set of tins and glass for Leyden jar, with movable coatings; Harris's unit jar, for giving unit charges of electricity to any insulated body; and static chimes of three bells 81-
- 161 Perpetual motion apparatus, consisting of a light figure on "tight rope," to oscillate continually by the attraction and repulsion of a concealed Zamboni dry pile (missing); conical brass conductor on glass stem and iron base, for showing the unequal distribution of charge; large electrophorus, for generating small charges by induction; static windmill, 51-

- rotated with a vertical whirl of four points ; set of tins only, for making Leyden jar with movable coatings ; and hand spiral
- 162 Harris's unit jar, for giving unit charges ; small electrophorus, for generating small charges ; rotating spiral with whirl on stand, showing revolving chain of sparks ; Epinus's condenser, best quality, for experimenting with small quantities of electricity ; proof plane ; Lane's electrometer with Leyden jar ; and hand spiral
- 163 Thunder house, obelisk form, to show the action of lightning conductors ; wooden base and wire hook (for suspended pith ball electroscope) ; static whirl ; insulated metal cylinder, showing that conductors can be electrically excited by friction, if insulated
- 164 *Parts* of Coulomb's torsion balance electrometer (lower glass and scale missing, also needle and contact piece) ; Phillip's electroscope charger ; Lane's electrometer (without jar) ; and hand spiral
- 165 Pair of pith image plates, to show attraction and repulsion of light bodies ; proof plane, to carry small charges ; Pellier's electrometer, for measuring small charges ; small electrophorus, to generate small charges ; static inclined plane, without whirl ; Harris's unit jar, to give unit charges ; glass rod, with one end roughened, to show different charges ; and hand spiral
- 166 Large size hand spiral, showing a row of sparks, very pretty effect ; electric cannon, for firing electrically ; and Kinnersley's thermometer, to show expansion of air with spark
- 167 Henley's quadrant electrometer ; set of five spirals, with rotating centre piece, which illuminates the various coloured glasses ; and insulating stand of mahogany on glass stem and iron foot
- 168 Phillip's electroscope charger ; Lane's electrometer (without Leyden jars) ; and metal cylinder, insulated, to show that conductors can be excited if insulated

(61-)

41-

5/6

8/1-

(41D)

5/1-

3/1-

26/1-

- 169 Electric brass cannon, to fire electrically ; set of 5 spirals, with rotating centre piece, as above ; static chimes of 3 bells, to ring by attraction and repulsion of brass clapper ; hand spiral ; Lane's electrometer (without Leyden jar) ; and static see-saw (without figure)

HEAT.

- 170 Ebullition flask, with stopcock, to show that water boils at a reduced temperature when the atmospheric pressure is lowered ; and Tyndall's apparatus, to test the boiling point of water at ordinary atmospheric and reduced pressures
- 171 Wollaston's steam apparatus, showing production of motion by generation and condensation of steam ; and pulse glass, containing spirit, which boils when grasped by the hand
- 172 Benevièd's steam apparatus, iron boiler, without injector, for exhibiting the properties of high pressure steam ; and Wollaston's steam apparatus, as above
- 173 Differential air thermometer, for experiments in heat radiation ; and Gravisand's bar and gauge, to show expansion of iron by heat
- 174 Marcel's steam apparatus, brass boiler, to show the properties of high pressure steam ; cheap form of Hero's steam engine ; and differential air thermometer, as above
- 175 Gravisand's bar and gauge, as above ; and Richie's apparatus for testing the absorbing and radiating powers
- 176 Air thermometer (without lower flask) ; metal ring and ball, showing expansion of spheres when heated ; Richie's apparatus as above, but with broken glass stems ; Injenham's apparatus, to show different conducting powers of materials ; and Trevallion's rocker, which produces sound when cooling
- 177 Hope's apparatus, tin, with thermometers to show maximum density of water ; air thermometer as above ; and metal ring and ball, to show expansion of spheres when heated

- 178 Davy's safety lamp, for miner's use ; wooden cylinder with broad brass ring to show different conducting powers of brass and wood ; and flat spiral, showing convection of heated air 4/-
- 179 Moussen's apparatus, to show liquefaction of ice at a low temperature by pressure 1/-
- 180 Wooden cylinder with broad brass ring, as above ; compound plate of brass and iron, to show bending by unequal expansion ; and contraction apparatus, to show iron bars broken by contraction
- 181 Conduction apparatus, consisting of four dissimilar metals in wooden ring and cups for phosphorus, showing different conducting powers
- 182 Fifteen Prince Rupert's drops, to show the brittleness of suddenly chilled glass ; wooden cylinder with broad brass ring as above ; copper cube, to fill with hot water, used as a source of heat with Melloni's bench ; about 2 dozen candle bombs, being small glass bulbs partly fitted with water, which, when placed in candle, explode by steam pressure ; and Moussen's apparatus, showing liquefaction of ice at a low temperature by pressure 7/-

PNEUMATICS.

- 183 Tate's air pump, 16-in. barrel, 7-in. plate and arm for syphon gauge ; and large glass receiver 1/-
- 184 Iron Magdeberg hemispheres, to pull asunder when exhausted ; mercury filter cup (without glass) ; and glass flask with stopcock for weighing air 3/-
- 185 Large glass receiver ; brass Magdeberg hemisphere as above ; and mercury filter cup as above
- 186 Bladder and lead weight experiment, showing elasticity of air (bladder missing) ; glass flask with stopcock for weighing air ; and guinea and feather apparatus, showing that a feather falls as quickly as a coin in a vacuum 8/-
- 187 Tate's air pump, as above ; large glass receiver ; and mercury vacuum gauge, boxwood scale (outer glass missing) 18/-
- 57/-

- 188 Marriott's apparatus, showing that air with a pressure of two atmospheres only occupies half its volume ; syringe with lead weight, to show the pressure of air ; condensing syringes ; and fire syringe, to ignite tinder by atmospheric compression
- 189 Marriott's apparatus, as above ; exhausting syringe ; transfer plate with jet and stopcock for fountain on vacuo ; and condensing syringe
- 190 Apparatus to demonstrate atmospheric pressure at 14 to 15lb. per square inch, consisting of vacuum box, weight with yard arm, and pulleys for downward pull, etc. ; and small shallow receiver
- 191 Marriotts' apparatus (long glass tube broken) ; guinea and feather apparatus, brass plates and falling stages
- 192 Boyle's tube, to show that air under half atmospheric pressure expands to twice its volume ; exhausting and condensing syringe ; brass fire syringe, for firing tinder ; syringe with lead weight to show pressure of air ; and small shallow receiver
- 193 Sloping barrel air pump, 6-in. plate, with receiver
- 194 Brass fire syringe, for firing tinder ; Boyle's tube, as above ; and exhausting syringe for lead weight (missing)
- 195 Fountain in vacuo
- 196 Exhausting syringe ; condensing and exhausting syringe ; and large glass fire syringe, for firing tinder
- 197 Tall 6-in. receiver ; two large receivers ; and 3 brass fire syringes
- 198 Fountain in vacuo

HYDROSTATICS.

- 199 Large glass pear-shaped vessel with brass jets for Barker's mill (lower tank and wooden base missing) ; and tantalus cup, with concealed syphon
- 200 Intermittent fountain

- 201 Tin Barker's mill ; fire engine double pump ;
and set of Pascall's vases, to prove that pressure depends upon height
- 202 Set of Pascal's vases, as above
- 203 Tantalus cup (as above) ; Haldat's apparatus
(8 tubes missing) for showing that the pressure
at base depends upon the height of water ;
and common lift pump
- 204 Nicholson's hydrometer for ascertaining the
specific gravity of solids ; and solid and
hollow cylinder, to show that a solid body in
water loses weight equal to its bulk
- 205 Brass globe with jets and piston, to show that
water presses equally in all directions
- 206 Tin Hero's fountain, worked by atmospheric
pressure on surface of water
- 207 Common lift pump ; and water hammer, water
in vacuum falls heavily
- 208 Best quality hydrostatic paradox, for showing
that water always finds its own level ; com-
mon lift pump with lever handle
- 209 Set of graduated tubes, 11 ins. long, in wooden
frame and base ; and solid and hollow cylinder,
as above

MECHANICS.

- 210 Whirling table, for rotating apparatus to
demonstrate the laws of centrifugal force ;
apparatus for use with the above ; and cir-
cular black board
- 211 Syren
- 212 Apparatus for investigating centrifugal force
- 213 Metal groove with marbles ; 2 glass tubes on
board, showing centrifugal force ; glass globe,
showing centrifugal force ; and cylindrical
glasses, showing parabola
- 214 Set brass balls on wire ; set of 3 pendulums ;
Foucault's pendulums ; and Watt's governor
- 215 Inertia apparatus ; oblate figure apparatus ;
and set of square, circle and triangular

ADDITIONAL APPARATUS FOR WHIRLING TABLE.

- 216 Circular black board ; apparatus for investigating centrifugal force ; and metal groove with marbles
- 217 Cylindrical glass showing parabola ; brass filling only, without cylindrical glass ; and set of brass balls on wire
- 218 Inertia apparatus ; oblate figure apparatus ; set of square, circle and triangular ; and circular black-board

ODD APPARATUS FOR WHIRLING TABLE.

- 218A Apparatus for investigating centrifugal force ; set metal grooves with marbles ; set brass balls on wire ; and set square, circle and triangular
- 219 Set of 10 collision balls in rectangular frame on wooden base ; double cone and inclined plane, the cone apparently runs up the inclined plane ; blackened frame with $4-2\frac{1}{2}$ compound boxwood pulleys ; and lever, 3 ft. long, with suitable hooks and holes for suspension
- 220 Set of 4 compound pulleys, $2\frac{1}{2}$ boxwood ; set of 4 simple pulleys, $2\frac{1}{2}$ boxwood ; two $1\frac{1}{2}$ -in. boxwood pulleys, in boxwood clamps ; and board for parallelogram of forces on iron feet (drawing board, 2 ft. 6 by 2 ft.)
- 221 Incline plane (without roller and weight) ; and equilibrium apparatus, showing that the centre of gravity need not be within volume
- 222 Set of 5 solid geometrical shapes ; large dissected cone ; wooden parallelopiped, leaning tower ; and half set of 2 compound pulleys
- 223 Small dissecting cone ; wooden parallelopiped, leaning tower ; and sympathetic pendulum, to show phases of swinging weights
- 224 Set of 6 valves in brass, comprising : butterfly, bellows, spring, conical, oilsilk and throttle ; leaning tower, cylindrical form ; and sympathetic pendulum

71-

u/-

u/-

R

u/-

u/-

73/-

LIGHT.

- 225 Adjustable water prism with basin and tripod screws and with movable sides to vary the angle; and Descartes' apparatus simple form (glass missing), for showing the laws of reflection and refraction 91/-
- 226 A 6-in. convex silvered mirror, metal frame
- 227 Ten prism trough with two glass sides; japanned tinwork for Bunsen photometer; and vibrating disc on mahogany base to show Lissajous' figures 61/-
- 228 Simple form Newton's experiment of seven small adjustable mirrors for re-combing the spectrum; and Wheatstone's photometer 21/-
- 229 Polished brass base and telescopic stem with ball and socket joint on top; horse shoe magnet for projection; 2 frames and glasses only (without magnets); 2 frames only with 2 coils of wire (without glass or needle); and wire model of Nicol prism
- 230 Bunsen's photometer with divided scale, 5-ft. long, gas lantern, etc.; on mahogany stand, best quality 81/-
- 231 A 6-in. convex mirror
- 232 Descartes' apparatus, simple form (glass missing as above); set of vibrating discs to show Lissajous' figures; simple form of Newton's experiment with spectrum, as above; Wheatstone's photometer, as above; and wooden model of Nicol prism 91/-
- 233 A 6-in. convex mirror; Descartes' apparatus, simple form to show the laws of reflection and refraction; and Wheatstone's photometer
- 234 Dissectable wooden model of Nicol prism; and heliostat, with heavy base and clockwork movement (but without mirror) 151/-
- 235 Powell's wave apparatus for showing *plane*, *circular* and *elliptical* vibration, illustrating the motion of waves of light

CURRENT ELECTRICITY.

- 236 Two sets of 8 resistance coils, 1, 2, 3, 4, 10, 20, 30, 40 ohms, on mahogany bobbins, fitted with terminals 881/-

- 237 Pair of odd resistance bobbins 3
- 238 Astatic galvanometer, brass-bound glass cover, brass base with levelling screws. The dial can be rotated without cover, very delicate, best quality
- 239 Magnet stand and Bunsen burner (without rectangular rotating frames); and small tangent galvanometer (without needle)
- 240 Voltmeter with 2 glass tubes for collecting gases; Faraday's rotating magnet; and Faraday's "V" tube
- 241 Astatic galvanometer, mahogany base with adjustable disc as above (but glass shade missing); and parts of old galvanometer (coils, base and suspension rod only)
- 242 Double mirror fixed at an angle of 45° to reflect several images of a Geissler tube, giving pretty effect; and small Morse key and sounder, on mahogany base
- 243 Voltmeter, with graduated glass tubes, for showing the decomposition of water; and Oersted's experiment for projection, to show the deflection of magnetic needle with a current
- 244 Oersted's apparatus with mercury cups; Barlow's stand with circular copper disc to show rotation caused by Z currents flowing at right angles
- 245 Best quality voltmeter, with large size graduated glass tubes, 2 stopcocks and jets for burning the gases
- 246 Small astatic galvanometer; old astatic galvanometer, making base coils movable from outside (no shade)
- 247 Thermopile, 40 pairs and 1 cone on brass pillar and base
- 248 Thermo electric pair of bismuth and antimony; brass stand and clamp only (bismuth, etc., missing)
- 249 Double mirror fixed at angle of 45° for reflecting Geissler tube; Oersted's experiment for projection (without needle); amperes bent wire for showing the neutral action of currents

- 250 A 4-in. dipping needle brass base and graduated arc; thermo electric pair of bismuth and antimony; and Oersted's apparatus with mercury cups (needle missing)
- 251A Large electro magnet with keeper
- 252A Pair 12-in. bar magnets, in case
- 253A Small horse-shoe magnet, 3 ins.; and parts of a burglar alarm bell
- 254A Volta's pile of 50 couples, $2\frac{1}{2}$ -ins. diam.
- 255A Solenoid with terminals; pair flat spirals to show attraction and repulsion of parallel currents; coil of wire with terminals to show magnetic effect of current on Crooks' tube
- 256A Inductance coil on base with aluminium ring
- 257A Large electro magnet with keeper
- 258A Thermo electric pair of bismuth and antimony; small horse-shoe and magnet, 3 ins. long; and solenoid with terminals
- 259A Coil of wire with terminals, to show magnetic effect of current on Crooks' tube; Richie's experiment of rotating electro magnet between the poles of a permanent horse-shoe magnet
- 260A Cheap form $\frac{1}{2}$ -meter bridge to measure low resistances; Faraday's rotating wire apparatus; and amperes stand (without wires), fitted with commutator, to show action of current on each other
- 262A Old sparking ignition coil, damaged case; and 8-in. dipping needle with graduated arc
- 263A Large electro magnet with keeper
- 264A A 3-in. horse-shoe magnet; floating battery with solenoid and ring; and dissected coil
- 265A Small commutator and electro magnet (used with de la Rives' tube); simple dipping needle, 8 ins.; and Planté's accumulator cell
- 266A Large Delezenne's circle in polished mahogany, for showing electric currents induced by the earth's magnetism; and 8-in. dipping needle only, no pivot

Batteries, as follow—

- 267A Two 1-quart Daniel cells

- 268A A 1-quart Daniel cell (without outer pot);
1-quart Bunsen cell; bottle form bichromate
battery, 2-quart size; bottle form bichromate
battery, 1-quart size
- 269A Bottle form bichromate battery, 1-pint size;
two ditto, $\frac{1}{2}$ -pint size; two sets of carbons and
zinc for 2-quart bichromate cell; one ditto for
1-quart bichromate cell; and 3 sets of 3 pairs
each copper and zinc plates

SOUND.

- 270A Undulation apparatus, consisting of a long
box with rotating roller with spiral line show-
ing vibrations in a tube
- 271A A 12-in. tuning fork with iron base; and 5 small
tuning forks
- 272A Speaking trumpet, and simple syren
- 273A Set of 4 tuning forks, C, E, C, G; larynx; and
large double clamp, for Chladins plates
- 274A Four *genuine* Koenig's tuning forks, fitted on
sound boxes, including 4 brass resonators for
use with same
- 275A Case containing 4 *genuine* Koenig's tuning
forks, fitted with mirrors and brass balls;
and odd 12-in. Koenig's fork
- 276A Syren with double dial
- 277A Larynx; apparatus to show longitudinal vi-
brations in a rod (frame and marble missing);
and Galton's whistle
- 278A Melde's tuning fork apparatus, with large fork
on mahogany stand, with scale pan
- 279A Savart's toothed wheel apparatus, with iron
base and gearing, and chord of 4 notes; large
double clamp for Chladin's plates; and simple
syren
- 280A Larynx; Galton's whistle; and iron stand
with manometric flames and bronzed speaking
horns
- 281A Cardboard resonating horn for telephone;
and opeidoscope to reflect vibrations of mem-
branes on screen
- 282A Savart's toothed wheel apparatus with iron
base and gearing, and an octave of eight notes;
- 283A Syren with double dial

- 284A Delicate bell telephone receiver ; manometric apparatus with cubical mirror ; and opeidoscope for optically reflecting the vibrations of thin membranes on a screen
- 285A Iron case with rotating intermittent shutter, for use with Selenium cell *included*, and attached at side ; Tellaine telephone receiver, inside a polished mahogany padded box (used with Selenium cell). It operates a manometric flame on the top of the receiver by means of the vibrating diaphragm
- 286A Iron stand with manometric flames and bronzed speaking horn
- 287A Kaleidophone heavy base pillar and clamp
- 288A Opeidoscope, as above
- 289A Opeidoscope as above, and 3 small iron clamps for Chladin's plates
- 290A Large special clamp with lever arm for Chladin's plates without central hole ; and single brass clamp

END OF FIRST DAY'S SALE.

126/-

Conditions of Sale are as usual; a Copy is exhibited in the Sale Room at the time of Sale.

SECOND DAY'S SALE.

On Friday, 20th Feb., 1914,

AT HALF-PAST TWELVE O'CLOCK.

ON VIEW (Lots 251 to 641):

Thursday, 12.30 p.m. to 5.30 p.m.

Friday, 9.30 a.m. to 12 a.m.

MISCELLANIES.

- 251 Antique microscope and belongings, in red morocco, with pamphlet.
- 252 Electric cigar lighter, curious brass jug from Agra, and a brass lotus ornament
- 253 A brass inkstand with 2 bottles, and pair of brass candlesticks
- 254 Journal of the Royal Microscopical Society, 1878-1906, in 10 bound vols., and 4 parcels, parts
- 255 Transactions of the Microscopical Society, 1853-65, 13 vols., half calf
- 256 Queckett Microscopical Club Journal, in 4 bound vols., and 2 parcels
- 257 International Journal of Microscopy, 1884 onwards, 4 bound vols., and parcel
- 258 Monthly Micros, Journal and Trans., vols. 1-18, pub. cloth, 1869-1877
- 259 Building News, 1859-1883, 36 vols. cloth
- 260 The Builder, 1843-85, 50 vols. cloth
- 261 The Architect, 1873-83, 21 vols. cloth

- 262 The Engineer, 1879-82, 8 vols. cloth, and Civil Engineer and Architects' Journal, 1837-43, 6 vols
- 263 Brass magic lantern with belongings and slides, in wood box
- 264 Laboratory milk travelling case, bicycle wheel, and 2 folding lanterns

BOOKS.

- 265 Christmas Carol, by Chas. Dickens, illustrated in colours by Leech, 1844
- 266 Historie de Charles XII., by Voltaire, illustrated, Londres 1824 ; Selected Songs (1799), by Dibdin, 2 vols
- 267 Language des Fleurs, Charlotte de la Tour. illustrated in colours
- 268 The Epicurean, by Thos. Moore, Galignani, Paris (1872) ; A Visit to Flanders, by James Simpson (1815), Field of Waterloo with plan ; Don Quixote (1796-1807), by Smollett
- 269 Life of Napoleon Bonaparte, by de Bourrienne, illustrated
- 270 Lourdes, Nana, La Terre, Pot Bouille, La joie de Vivre, La Dèbacle, all by Emile Zola, 6 vols ; and Sapho, by A. Daudet
- 271 Chey Paddy, La Plus Jolie Femme de Paris, by M. Colombre ; Contes de Jadis Nouveaux, Nos Chers Voisins, by Max O'Rell ; and others
- 272 *Etchings* (not framed)—Dendy Sadler, remarque artist proof (Boucher)—Thursday
- 273 Ditto (Chiquet)—Home Brewed
- 274 Marcus Stone, signed artist proof—Arrival of the Post

MISCELLANIES.

- 275 New Kropp razor and ditto pocket knife
- 276 Superior glazier's diamond by Sharratt & Newth
- 277 A 12-in., twelve 10-in., and thirteen 7-in. gramophone records
- 278 Fine quality solid leather writing satchel
- 279 Plated tray
- 280 Ditto rose bowl
- 281 Four-bottle cruet and breakfast ditto

- 282 Breakfast cruet, jam dish and toast rack
- 283 Plated flower stand with glass vases and double
preserve dish
- 284 Tea and coffee set, plated on nickel silver
- 285 Six plated tea knives, in case
- 286 Silver-mounted Doulton china tea caddy;
silver mounted glass egg cup, and ditto scent
bottle
- 287 Silver-mounted manicure set, in case
- 288 Pair of silver-backed brushes and ditto comb;
in case
- 289 Gold curb bracelet, and hat-pin with gold top
- 290 Solid mahogany inlaid Sheraton cabinet gramophone
- 291 Solid mahogany inlaid Sheraton music cabinet;
with raised panel doors
- 292 Bundle of gramophone horns
- 293 Bundle of cycle stands
- 294 Quantity of cycle pumps
- 295 Five motor pumps
- 296 Bundle of foot pumps, music stands and
angler's stool
- 297 Thirty-two hair brushes
- 298 Bundle of cycle tyres and mudguards
- 299 Four pairs gentleman's leggings
- 300 Gramophone oak cabinet, Swiss motor
- 301 Three gramophones, incomplete
- 302 Fourteen tone-arms with elbows
- 303 Solid oak cabinet gramophone, hinged lid and
doors
- 304 690 stamps in two albums, and an antique book
- 305 Set of Dante's Inferno, and bundle of books
- 306 Banjo and accordion
- 307 Violin
- 308 Two-speed gear, Coaster hub, cleaning outfits,
and 6 pedals
- 309 One dozen freewheels
- 310 One dozen disc records
- 311 Massive solid mahogany cabinet gramophone,
hinged lid and doors, and Venetian front
- 312 Two phonographs, and a box of useful parts
- 313 Box of gramophone parts
- 314 Box of cycle fittings
- 315 Two golf club bags and 2 tennis racquets

- 316 Gramophone fitted with Swiss motor
- 317 Two double-sided carrying cases
- 318 Three carrying cases
- 319 Ditto
- 320 A Barlock typewriter, brief size
- 321 A Remington typewriter
- 322 Academy model Williams' visible typewriter
- 323 Gentleman's free-wheel bicycle and accessoires
- 324 A 2½-h.p. Triumph motor cycle
- 325 A single barrel sporting rifle by Powell, in case, and another
- 326 An English office dial, mahogany case
- 327 Fine water colour drawing by J. H. Mole, V.P., R.I., in gilt frame
- 328 Ten 12-in. double-sided new gramophone records
- 329 Whole-plate R.R. lens, and another
- 330 Prismatic compass in case, and another night-marching ditto
- 331 Edison Standard phonograph
- 332 Oil painting—Alpine Scene, by Gauguacé, and another by same artist
- 333 Sundry fishing tackle
- 334 Glazier's Diamond, Sharratt & Newth
- 335 Damask table cloth, 4 yards long
- 336 Box containing screw hammer, axe, screw-drivers, chisels, clamp, gas ring, ball valves, brass brackets and tools various, etc. and key
- 337 Oak arm-chair, seat covered in leather, small ditto chair
- 338 Large Japanese vase and French ditto (A.F.)
- 339 Plated bread basket
- 340 Three boxes of safety razors and 11 blades
- 341 Nearly three yards of double-width cloth, 60 ins. wide
- 342 Large leather kit bag
- 343 Bronze group, Goats on marble base
- 344 New roach pole, 18 ft.
- 345 Handsome inlaid striking clock on gong, key and pendulum
- 346 Nine ivory bagatelle balls
- 347 Heavy bronze Burmese gong and beater
- 348 Twelve drills and 5 expensive tools, in tray
- 349 Marble timepiece, bronze columns

- 350 Antique rosewood tea poy, on pillar, blue sugar basin, fitted
- 351 Twenty pieces of plated ware: 4 spoons, 8 table, 8 dessert forks, first class quality, and plated bottle holder, in bag
- 352 Pair of woollen pants and vest, and shirt
- 353 Two lantern lenses and large condenser, pocket book, and large embossed brass finger plate and handle
- 354 Carved marble pedestal and ornament

JEWELLERY, TRINKETS, &c.

- 355 Pair of fine gold earrings and ditto locket
- 356 Fine gold antique brooch
- 357 A 15 carat hall-marked gold bracelet
- 358 Fine gold antique mourning brooch
- 359 Silver-gilt necklet and locket, hall-marked silver albert, 2 pairs of silver earrings, and 3 fine gold and coral studs
- 360 Fine quality single-stone brilliant ring
- 361 Gentleman's gold keyless English lever watch
- 362 Exceptionally fine gold turquoise and pearl brooch
- 363 Two hall-marked silver cigarette cases
- 364 A necklace of 43 onyx beads
- 365 Child's silver knife, fork and spoon, in case
- 366 Pair pearl earrings, pair white sapphire ditto, gold mounts, mourning brooch, and a garnet cross
- 367 An 18 carat hall-marked diamond and sapphire ring
- 368 Four brooches and a bracelet
- 369 Three apostle spoons, a sugar sifter, and a gold toothpick
- 370 Diamond and sapphire half-hoop ring
- 371 Silver-gilt enamelled and turquoise studded umbrella handle, and 2 gold rings, one with platinum front
- 372 Gold and turquoise bracelet, and gold and turquoise pendant
- 373 Gold, turquoise and pearl brooch, and gold and turquoise pair ear-rings
- 374 Gold and turquoise necklet, and gold and turquoise chain bracelet

- 375 Diamond five-stone half-hoop ring

SCIENTIFIC INSTRUMENTS AND MISCELLANEOUS PROPERTY.

- 376 Pair of high-class prism glasses, in case, in new condition, suitable for theatre or field
- 377 Superior microscope stand with bull's-eye condenser, in case
- 378 Glazier's diamond and chemical thermometer
- 379 Expensive enlarging apparatus by Griffin, rack and pinion focussing, etc., complete with three dark slides
- 380 No. 2 folding Brownie camera
- 381 Two water colours—Arundel Castle and The Black Rabbit, Sussex, by E. Lewis, unframed
- 382 Loose leaf pigskin bound album, with collection of stamps
- 383 Lincoln album, with stamps and a large number of duplicates, many scarce, on sheets
- 384 A 6½-in. Cooke Series II. anastigmat lens, F/4.5, with flange, practically new
- 385 Barlock typewriter, in good condition
- 386 Brass Boley watchmaker's lathe, with side wheel, in excellent condition; also nearly complete compound tool holder for same
- 387 Microscope, aspirator, and other surgical instruments
- 388 *Half-plate wide angle* E.R.R. lens, covering whole-plate extreme definition when stopped down; whole-plate view lens, with sliding focussing jacket; double lens rackwork focussing magnifier; ray filter, 1½-in. (bichromate of potash), for cloud effects and true colour values; a ½-in. spirit level; a 1-in. ball level; and case of 12 Everpointed retouching pencils
- 389 Thirty-six medical slides
- 390 Ditto
- 391 Twenty-four diatom slides
- 392 Twenty-four medical slides, unnamed
- 393 Twenty-four fungi
- 394 Lantern condenser, 4-in.
- 395 A sextant
- 396 Large fine black fur motor rug

- 397 Emerson visible-writer, two-colour, back-spacer, six-key tabulator, writes English and German, full-sized machine and nested in velvet-lined pig-skin travelling case, beautiful machine, very light touch, and almost new, no fault whatever
- 398 Houghton's Tudor enlarger, 5½-in. compound condenser and rack-focussing objective, in perfect order
- 399 Two well-bound volumes, Finden's illustrations Lord Byron's Works, containing 88 steel plate engravings, half morocco, gilt backs, uncut (1833)
- 400 Longfellow's Hyperion, cloth, gilt, illustrated with actual photographs by Frith (1855); and an Arundel Society's chromo print, 36 by 15, framed
- 401 Full-sized lantern, 4-in. condenser, brass front, double pinion, 4-wick lamp, acetylene burner and tray
- 402 Life of Queen Victoria, 68 hand-painted slides: Funeral, from Osborne to Frogmore, 25 plain photos; Life of King Edward, 24 hand-painted slides; 117 slides, all different
- 403 Two interchangeable slides, and 25 pairs of hand-painted discs
- 404 Christy's Old Organ 45; Cabin Boy's Bible 21; Tommy Wilful 6; life models 42
- 405 Loved unto Death 27; His Mother's Book 24; Poor Mike 18; life models 69
- 406 Blind Betty's Text 20 (life models); Mother's Last Words 15; Mistletoe Bough 5 40
- 407 Bicycle Experience of Tony Tompkins 12; Jack, the Conqueror 12; Jack's Treasure 12; Land of the Pigtail 12; plain photos 58
- 408 The Zoo and Views of London, plain photos 47; six sets of Illustrated Hymns, 24 hymns
- 409 Life of Luther 26; Life of Livingston 26; Tit for Tat 7; plain photos
- 410 Greatest Plague in Life 12; Little Muck 12; Fool's Pence 8, plain photos; Wreck of the Hesperus 8 40
- 411 Eighty-six slides in wooden frames, some hand-painted

- 412 229 odd slides, plain photos
 - 413 Cinematograph arc lamp, 80 ampere, best make, and in good condition
 - 414 FILMS. A Western Family (drama) 1,000
 - 415 Newsy and the Tramp (Pathé, comic) 900
 - 416 Revenge of Toreador (drama) 500
 - 417 Heroes of the Mutiny (Vitagraph drama) 700
 - 418 FILMS—Fighting Blood (A.B.)
 - 419 Stolen Letters (Hepworth)
 - 420 Convicts 10 and 13 (Nordich), 2,500 feet, in three parts
 - 421 Light after Darkness, 2,500 feet, in two parts
 - 422 A 0000 cameo hand camera with case, 4 metal slides and telescopic tripod, new condition
 - 423 Large motor head lamp (Bleriot), and one pair of brass brackets
 - 424, Good 1/16th-in. object glass by Powell & Lealand, with adjustments, cost sixteen guineas
 - 425 A cabinet of twenty-four drawers, with book-case over, containing a variety of butterflies
 - 426 Stained deal cabinet of seven large drawers, containing about 200 sea and other birds' eggs
 - 427 A two-drawer cabinet and store box, containing butterflies
 - 428 A trestle and easel
 - 429 A large glazed case of exotic butterflies, including Ornithopteras, Papilio ulysses and other fine and bright kinds
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- 430 *Yost No. 16 visible writing brief size typewriter, fitted with Imperial type, tabulator and back-spacer, in metal case with wood base*
 - 431 Two mahogany ledger racks, a directory, small baize-covered table, and some office sundries
 - 432 No. 10 Secor visible writing typewriter, writes two colours, and fitted decimal tabulator and backspacer
 - 433 Four-drawer oak card index cabinet for 5/3 standard size cards
 - 434 Nearly 8x prism binocular, central rack focusing, eye-piece adjustment, in solid leather case

- 435 Military case of English drawing instruments
- 436 Latest model No. 1 Empire, brief size, in case
- 437 Dozen fine quality ivory handle table knives,
and dozen dessert ditto to match
- 438 Pair plated china centre dishes and four-hole
cruet
- 439 Halsby's patent cheque protectograph, nearly
new, and in perfect order, with metal case
- 440 Latest model No. 10 Remington typewriter,
with two-colour attachment, five stop tabu-
lator, back-spacer, etc.
- 441 Four pairs long bordered lace curtains
- 442 Four dozen Irish lawn hemstitched handker-
chiefs
- 443 Nearly new visible writing No. 10 Smith Pre-
mier, two colours, tabulator and back-spacer
- 444 No. 4 Smith Premier typewriter, in good order
and condition
- 445 Carpenter's new saw, tenon ditto, hammer, and
2-foot rule
- 446 High-power direct vision field glass, in leather
case
- 447 A shaving stand with mirror
- 448 A four-fold screen decorated with a number
of water colour drawings and coloured pictures
- 449 Five old guns
- 450 Five ditto
- 450A Handkerchief box, glove box, writing pad, etc.
- 451A Smith Premier latest model visible writing
No. 10 typewriter, fitted for 2 colours, with
tabulator and backspacer

RECORDS, &c.

- 451 Ten Amberol, new, and 20 phonograph records,
in good condition
- 452 Five Odeon and five other 11-in., one 12-in.,
and 12 records various makes, in good con-
dition, 23 records in all
- 453 A 12-in. Columbia Rena, 12 Zonophones, twelve
10-in. double-sided, and five 6-in. records,
assorted makes
- 454 Five double-sided Odeon records, vocal selec-
tions from "Mikado," "H.M.S. Pinafore," and
"Pirates of Penzance"

- 455 Twelve gramophone records, including two Odeons, all in excellent condition
- 456 Twelve double-sided gramophone records, in excellent condition
- 457 A fine English concertina, silver plated keys, by Wheatstone, in case
- 458 A violin and bow, in case
- 459 Old violin with bow, very good tone, labelled Ole Bull, in inlaid Sheraton mahogany case
- 460 Eight-day carriage clock, enamel dial, Sir John Bennett, Ltd.
- 461 Cornet by Boosey (B flat), in case
- 462 Diamond ring, 18 carat gold shank
- 463 Twelve gramophone records, various
- 464 Concertina, Lachenal
- 465 Half-plate stand camera, by London Stereoscopic Co., with lens, and 3 D.D. sheaths, complete in leather case, with tripod
- 466A Violin and bow, in case, and 20 vols. books, by Chateaubriand, and dressing bag and sundries
- 467A Guitar, in case
- 468A Eight pairs white curtains
- 469A Gramophone, 8 records, and horn

MISCELLANIES.

- 466 Six Morland prints, framed in gilt
- 467 The International Library of Famous Literature in 20 volumes, bound, with oak book-case, complete
- 468 Box of electrical switches, ceiling roses, simplex fittings, and tubular lamps
- 469 Gold-gilt chain bag
- 470 Black fox stole and muff
- 471 Imitation diamond tiara
- 472 Pair of Samuel Winslow's ball-bearing skates, equal to new
- 473 Six necklets and pendants
- 474 Curious inlaid picture, in frame
- 475 Two coloured sporting prints, framed
- 476 Seven porcelain plates, 2 cups and saucer
- 477 Porcelain teapot, and miniature in black frame
- 478 Large reading glass, in rosewood frame
- 479 Three Staffordshire figures

- 480 Gold plated photo frame, and 6 plated egg cups
- 481 Pair brass candlesticks and brass plate stand
- 482 Two Thermos or vacuum flasks
- 483 Ditto, and 3 dozen tea spoons
- 484 Two pairs brass candlesticks
- 485 Breast drill, and 6 tool pads
- 486 Two hand drills
- 487 Three large tool pads, each containing 10 tools each
- 488 Useful pocket set of compasses, 3 cigar and cigarettes cases, silver-mounted, and travelling ink-well
- 489 Lady's superior gold-filled keyless hunter watch
- 490 Gentleman's dressing bag, fully fitted
- 491 Leather bag fitted with electrical torch and feather fan
- 492 Case of 12 pairs of fish-eaters
- 493 Seven books of *Belgravia*
- 494 Ostrich feather fan, and opera glasses
- 495 An 8-day clock in walnut case (in perfect going order); and a mahogany brass-bound writing desk, and 3 wood glove stretchers
- 496 A set of five Chinese porcelain vases, covers and beakers
- 497 A curious Chinese figure of a kylin
- 498 Quantity of mathematical instruments
- 499 Pair race glasses
- 500 Pair of opera glasses
- 501 An expensive chemical balance, Toison Scale Co.
- 502 Elliott Bros. P.O. resistance box
- 503 Universal shunt and Clarke's standard cell
- 504 Bunge chemical balance
- 505 Plates to Captain Cook's voyages
- 506 Three rare white porcelain medallions, late Emperor Napoleon, Empress Eugenie and Prince Imperial
- 507 Opera glass
- 508 Pair of powerful field glasses
- 509 Pair of opera glasses, meerschaum pipe, and 3 silver coins
- 510 Three pairs of opera glasses
- 511 A tweed jacket suit
- 512 Pair Japanese hangings, and pair tapestry ditto

- 513 Fur muff and collarette
- 514 Pair fine quality silver cased opera glasses

POSTAGE STAMPS.

- 515 Lincoln album containing 693 stamps, all different, hinged, nice condition
- 516 Two boxes containing over 3,300 Foreign stamps
- 517 Book containing a number of stamps, many scarce
- 518 Collection Foreign and Colonial stamps, in Improved album, about 834, many old and scarce
- 519 Premier collecting book, containing 1,690 stamps
- 520 Box containing many thousands of stamps
- 521 Stanley Gibbons' Improved album, containing over 1,200 stamps, many early issues
- 522 Four albums containing altogether over 1,500 stamps
- 523 150 coins, sundry Roman included
- 524 Book of stamps, containing 360 Foreign, British and Colonial stamps, including many scarce
- 524A Collection of 1,438 postage stamps in Lincoln album
- 525 About 358 stamps in small Lincoln album
- 526 Two club sheets of stamps
- 527 Book of miscellaneous stamps, some very old
- 528 Exercise book containing unused and surcharged stamps only
- 529 Book of old British Colonials
- 530 Album containing a very fine collection of stamps, over 3,000 varieties
- 531 Collection of about 1,500 stamps, including old Colonials
- 532 Book of very old German, Swiss, Roumanian stamps, etc.
- 533 Small book of selected stamps, many useful varieties
- 534 Book containing a fine lot of stamps of India, Native States, Straits Settlements, Ceylon, etc.

- 535 Collection in Strand album, and about 1,000 stamps

LEATHER ATTACHÉ CASES, etc.

- 536 A 16-in. nut hide attaché case, 2 lever locks, well made and new
- 537 Pig hide music attaché case, full size, pair spring locks
- 538 A 22-in. crocodile leather suit case, brass locks, perfect
- 539 Attaché-pig hide 16-in., 2 lever locks, hand-sewn
- 540 Attaché, nut hide, 14 ins., lever locks, well made and new
- 541 Lady's hat box in 3-ply wood, covered with Willesden canvas, to hold 6 hats
- 542 Attaché case, nut hide, 12 ins., fitted with steel frame inside
- 543 Attaché case, 14 ins., pig hide, 2 lever locks, quite new
- 544 Green Willesden week-end case, 2 locks and keys, lined throughout, good handle, perfect and new

OIL PAINTINGS, &c.

The following lots are attributed to the various artists mentioned, but no guarantees are offered as to their authenticity.

- 545 An oil painting—Figure subject, V. Prinsep, R.A.
- 546 A panel painting, Dutch School—Figure subject
- 547 FRENCH SCHOOL—A painting: Landscape (signed)
- 548 G. MORLAND—a speculative picture, framed
- 549 Early ENGLISH SCHOOL—a panel picture (signed)
- 550 T. S. COOPER, R.A.—Sheep resting in a meadow
- 551 SAM BOUGH—Landscape
- 552 DAVID COX, R.W.S.—Landscape and figures, (signed)
- 553 DAVID ROBERTS—two water colours: Street Scenes, St. Malo

- 554 DIAZ—Landscape and figures
- 555 A water colour drawing—Seascape
- 556 H. PEARCE—Clever oil painting: The Game-keeper, signed
- 557 A speculative painting—Interior with two ladies
- 558 Unknown—Figure subject, and another (water colour drawing)
- 559 DUTCH SCHOOL—Figure subject (panel)
- 560 MORLAND—An exterior, with man and horse
- 561 R. ANDSELL—Landscape with figures
- 562 W. SHAYER—Landscape with figures
- 563 Five coloured prints—Coast scenes, etc.
- 564 T. FAED—Figures in a landscape
- 565 Two water colour drawings—Coaching scene, etc.
- 566 PETER DE WINT—Coast scene
- 567 LEOPOLD RIVERS—Landscape, near Witley

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- 568 A set of half-tone blocks, title—Good Morning (14)
 - 569 One gross of typewriter ribbons
 - 570 Edison Gem phonograph, and 7 dozen records
 - 571 Two sets of fire brasses
 - 572 Surveyor's sights, in case
 - 573 Quantity of gaming counters, Handel Festival medal, in case, and a sperm whale tooth
 - 574 Old enamel teapot, and 2 ditto beakers
 - 575 Three ivory netsukés on soapstone base
 - 576 A plain coffee pot, a pepper mill, and a 3-hole pickle frame
 - 577 Pair of early wax busts
 - 578 Letter rack
 - 579 An old tortoise-shell ware basket, yellow Oriental vase, and Worcester spill vase
 - 580 Ant-eater skin, mounted on red cloth as rug
 - 581 Large *Persian* design bordered rug
 - 582 Silk pile bordered carpet
 - 583 Two prayer rugs
 - 584 Two bordered *Persian* design rugs
 - 585 Carpet
 - 586 Ditto
 - 587 Naval officer's brass-mounted telescope

- 588 Alice in Wonderland, 1867 edition ; Memoirs of Grimaldi with Cruikshank plates ; and Bret Harte's The Little Drummer, first edition
- 589 Macaulay's History of England, 4 vols. ; Whiston's Josephus, 2 vols. ; and books various
- 590 Charles II. Book of Common Prayer, 1665 ; Fittler's Cabinet Bible 1795, with fine copper plates ; Polyglot Bible, and 2 others
- 591 Izol vaporizer and bottle izol, ear syringe, nose douche, diabetes thermometer, measuring glass, and wool winding machine
- 592 *India-rubber hot water bed, 3 ft. wide by 6 ft. long, new*
- 593 Dresden figure of a boy, Bristol glass ewer, marble tazza, Rollin's Ancient History, and Knight's Pictorial Bible (200, Sept. 5)
- 594 Beattie's Castles and Abbeys of England, 2 vols. ; Gems of Beauty, 1838 ; and Book of Engraved Portraits
- 595 Thermos flask, plated reading lamp, Spanish water bottle, box of old coins, 2 pen racks, 2 books, and copper plates
- 596 Artist's sketching desk, palette, box old violin strings, 3 tuning forks and old Breeches Bible, 1606
- 597 Leather fitted medicine case, lock and key, ditto scent case, jet cross, and 2 spirit flasks
- 598 Champagne tap, hypodermic syringe, 2 pairs spectacles, antique scales, in mahogany box, and sundries
- 599 Ivory mounted hair brush, leather dressing case fitted, and 24 folio prints by Hope
- 600 Two brass banner screen mounts, parcel of engravings, etc., sandwich case and 2 books
- 601 Five brass fishing winches and a Colt's revolver
- 602 Life and Times of Queen Victoria ; With the Flag to Pretoria ; History of the Boer War ; History of Transvaal ditto ; Old and New Paris ; and The Antiquary, in parts
- 603 Antique painted Bristol glass table lamp
- 604 Ruskin's Seven Lamps, first edition, plates by Ruskin ; and Dickens' Nicholas Nickleby, first edition, plates by Phiz

- 605 Half hunter watch, silver-mounted ivory cigar case, piece needlework, and 8 pairs folders and eyeglasses
- 606 Hume & Smollett's History of England, 16 vols., full calf, plates
- 607 Moule's English Counties; Elwood's Sacred History; and Hume's England, 3 vols. 4to
- 608 Chambers's Encyclopædia, revised edition, 10 vols. half calf, 1884
- 609 Erichsen's Art of Surgery, Wells' Diseases of the Ovaries; and Medical works, various, 18 vols.
- 610 Scott's Napoleon, 8 vols.; Spectator, 7 vols.; Report of Poor Law Commission, 2 vols., and 5 Encyclopædias
- 611 Motley's Dutch Republic, Trollope's Phineas Finn, and 31 vols. various
- 612 Pianola roll, india-rubber hot water bottle, 6 Chinese hair pins, 3 old china plates, ditto pot lid, and a Wedgwood breakfast cruet
- 613 Two boxes old postage stamps; Dickens' Little Dorrit and Pickwick Papers
- 641 *Old Black Letter Breeches Bible, in calf, Robert Barker, 1614*
- 615 Snap-shot camera, cash box and a roll of engravings
- 616 Punch, a set from 1873 to 1892, unbound

QUILTS.

- 617 Fancy bed quilt, No. 1
- 618 Ditto
- 619 Ditto
- 620 Ditto
- 621 Ditto
- 622 Ditto
- 623 Ditto
- 624 Ditto
- 625 Ditto
- 626 Ditto
- 627 Ditto
- 628 Ditto
- 629 Ditto
- 630 Ditto
- 631 Ditto
- 632 Ditto

- 633 Cot quilt, and 3 cushions or pillows
- 634 Ditto
- 635 Ditto
- 636 Ditto
- 637 Ditto
- 638 Cot quilt, and 4 cushions or pillows
- 639 Ditto
- 640 Ditto
- 641 Ditto

END OF SALE.

Sale Announcements.

TUESDAY, FEB. 24th.—BIRDS' EGGS.

FRIDAY, FEB., 27th.—LATHES & TOOLS,
SCIENTIFIC APPARATUS.

Sale Announcement.

A NEW 1913

MAJOLA MOTOR CAR

10-16 h.p., 4 cylinders, two-seater, with dickey
for two; hood; screen; 5 detachable wire
wheels; 5 new tyres, two studded.

Will be included in the Sale on FRIDAY, 27th
FEBRUARY, unless previously disposed of.

Important to Trustees, Executors and others.

Mr. J. C. STEVENS begs to call attention to the
Sales regularly held at his Rooms.

Scientific, Electrical and Photographic Apparatus, and Miscellanies	{	EVERY FRIDAY a Sale is held which includes Microscopes, Telescopes, Cameras, Lenses, Lanterns, Cinematographs, Theodolites and Levels, and every class of Scientific Instrument; Lathes and Tools, Furniture, Silver Plate, Jewellery, Fishing Tackle, and Sporting Requisites.

Curios, China, Bronzes, Arms and Armour, Ivories, Ethnographical Specimens, etc.	{	A Sale is held on TUESDAYS twice in every month

Natural History Specimens	{	MONTHLY Sales of Collections relating to Entomology, Zoology, Conchology, Minerals, Heads and Horns, Cabinets, etc.

Books	{	Frequent Sales of Libraries relating to Natural History and kindred subjects.

BULBS for forcing or planting out	{	Three Days Weekly—September to December.

Rose Trees, Fruit Trees, Rhododendrons, & other Ornamental Trees and Shrubs, Lilliums, Gladioli, Begonias	{	Twice or Three times Weekly—October to April.

Palms, Bay Trees, Green- house Plants, etc.	{	Frequent Sales during the Season.

Sales undertaken in Town and Country. Valuations for Probate
and other purposes. Collections catalogued and arranged for sale.

Auction Rooms and Offices:

38 KING STREET, COVENT GARDEN, LONDON, W.C.

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B-L